

part of the first control board extending to a position overlapped with said motor, said first control board having a first region overlapped with said motor, and a second region not overlapped with said motor,

wherein an area of the first region overlapped with said motor is smaller than an area of the second region not overlapped with said motor.

2. The motor-assisted drive unit of claim 1, further comprising a second control board having a first region overlapped with said motor, a second region not overlapped with said motor, and a processing unit mounted on a first region of the second control board, said processing unit being one of the control devices.

3. The motor-assisted drive unit of claim 1, further comprising a casing, the motor being disposed within the casing.

4. The motor-assisted drive unit of claim 3, wherein the second control board is elastically supported in the casing.

5. The motor-assisted drive unit of claim 3, further comprising:
a thermally conductive board provided on a casing side of the first control board; and
a semiconductor device mounted on said thermally conductive board,
wherein the control devices of said motor are mounted on two surfaces of the control board.

6. The motor-assisted drive unit of claim 5, wherein at least part of the thermally conductive board abuts the semiconductor device.

7. The motor-assisted drive unit of claim 6, wherein at least a part of the thermally conductive board is in contact with the casing.

8. (Three Times Amended) A motor-assisted drive unit for a motor-assisted vehicle, comprising:

a motor for providing power to a drive wheel of the vehicle;

a first control board having at least one control device mounted thereon; and

a second control board having at least one control device mounted thereon, wherein the first and second control boards extend in a direction substantially perpendicular to a motor shaft of the motor, said second control board overlapping with at least a part of the first control board, said first control board having a first region overlapped with said motor, and a second region not overlapped with said motor,

wherein an area of the first region overlapped with said motor is smaller than an area of the second region not overlapped with said motor.

9. (Amended) The motor-assisted drive unit of claim 8, the motor and the first and

the second control boards being disposed in the casing.

10. The motor-assisted drive unit of claim 8, wherein the at least one control device mounted on the second control board includes at least one of a control processor, a capacitor, and a relay.

11. The motor-assisted drive unit of claim 10, wherein the at least one control device mounted on the first control board includes transistor.

12. The motor-assisted drive unit of claim 10, wherein the second control board is a printed wiring board, and the first control board is a metal board.

13. The motor-assisted drive unit of claim 12, wherein the first control board includes aluminum.

14. (Twice Amended) The motor-assisted drive unit of claim 8, the motor and the first and the second control boards being disposed in the casing, the first control board being attached to an inner wall surface of the casing, and the second control board being disposed over the first control board, with a gap disposed between the first control board and the second control board.

15. The motor-assisted drive unit of claim 4, wherein the second control board is elastically supported by an annular rubber member disposed around a casing boss portion of the motor shaft.

16. The motor-assisted drive unit of claim 15, wherein the rubber member is compressed between the second control board and a motor supporting portion of the casing.

17. The motor-assisted drive unit of claim 1, wherein at least one of the control devices is disposed on one side of said motor.

18. The motor-assisted drive unit of claim 1, wherein the second control board is elastically supported in a casing of the motor by a circular rubber ring fitted into a circular hole of the control board.

19. The motor-assisted drive unit of claim 8, wherein the second control board is elastically supported in a casing of the motor by a circular rubber ring fitted into a circular hole of the control board.

Please add claim 20 as follows:

--20. A motor-assisted drive unit for a motor-assisted vehicle, comprising:
a motor for providing power to a drive wheel of the vehicle;
a first control board having at least one control device mounted thereon; and
a second control board having at least one control device mounted thereon, wherein the first and second control boards extend in a direction substantially perpendicular to a motor shaft of the motor, said second control board overlapping with at least a part of the first control board, said first control board having a first region overlapped with said motor, and a second region not overlapped with said motor,
wherein one of the at least one control device is mounted on the second region of the second control board not overlapped with the motor.--